

**PR (phospho Ser400) Polyclonal Antibody**  
**Catalog # AP67464****Specification**

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**PR (phospho Ser400) Polyclonal Antibody - Product Information**

Application	WB, IF
Primary Accession	<a href="#">P06401</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

**PR (phospho Ser400) Polyclonal Antibody - Additional Information****Gene ID** 5241**Other Names**

PGR; NR3C3; Progesterone receptor; PR; Nuclear receptor subfamily 3 group C member 3

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.

IF~~1:50~200

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**PR (phospho Ser400) Polyclonal Antibody - Protein Information****Name** PGR**Synonyms** NR3C3**Function**

The steroid hormones and their receptors are involved in the regulation of eukaryotic gene expression and affect cellular proliferation and differentiation in target tissues. Depending on the isoform, progesterone receptor functions as a transcriptional activator or repressor.

**Cellular Location**

Nucleus. Cytoplasm. Note=Nucleoplasmic shuttling is both hormone- and cell cycle-dependent. On hormone stimulation, retained in the cytoplasm in the G(1) and G(2)/M phases [Isoform 4]: Mitochondrion outer membrane

**Tissue Location**

In reproductive tissues the expression of isoform A and isoform B varies as a consequence of developmental and hormonal status. Isoform A and isoform B are expressed in comparable levels

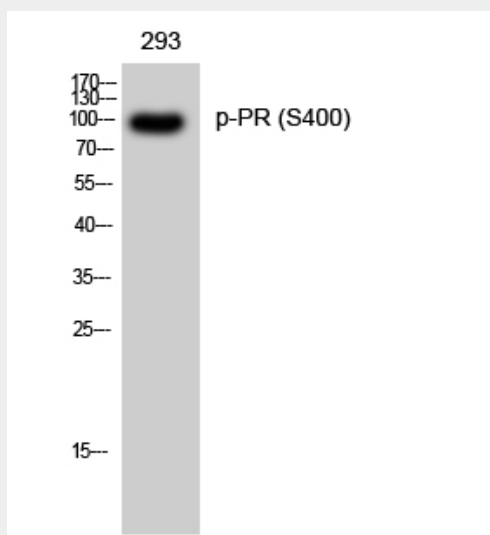
in uterine glandular epithelium during the proliferative phase of the menstrual cycle. Expression of isoform B but not of isoform A persists in the glands during mid-secretory phase. In the stroma, isoform A is the predominant form throughout the cycle. Heterogeneous isoform expression between the glands of the endometrium basalis and functionalis is implying region-specific responses to hormonal stimuli

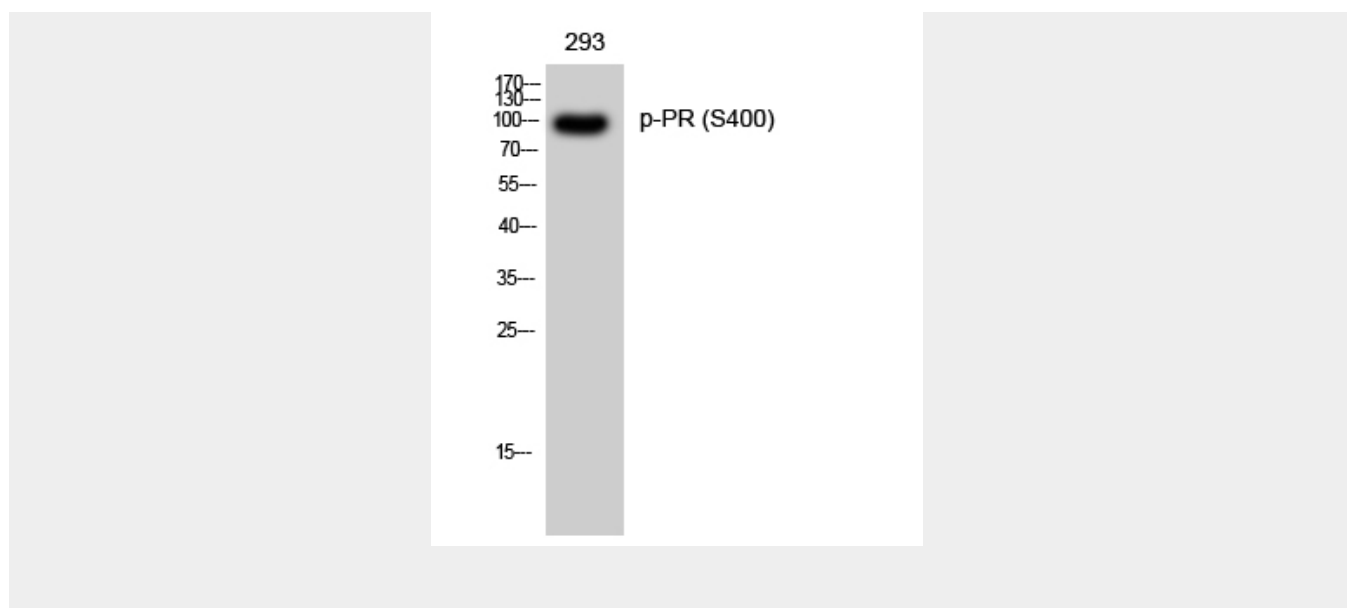
### PR (phospho Ser400) Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### PR (phospho Ser400) Polyclonal Antibody - Images





#### **PR (phospho Ser400) Polyclonal Antibody - Background**

The steroid hormones and their receptors are involved in the regulation of eukaryotic gene expression and affect cellular proliferation and differentiation in target tissues. Depending on the isoform, progesterone receptor functions as transcriptional activator or repressor.